Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/14/2021 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124830	-1	1.53	124780	1.47
Blue	F	SSC	125000	124441	-1	2.40	124678	2.23
Blue	E	FITC	13131	12664	-4	2.59	291	15.99
Blue	D	PE	24112	23591	-3	2.03	541	10.95
Blue	B	PerCP-Cy5-5	31295	30568	-3	3.35	1009	14.91
Blue	A	PE-Cy7	19939	19651	-2	5.46	520	30.55
Red	C	APC	42122	41487	-2	2.79	1742	11.30
Red	A	APC-Cy7	22340	21823	-3	3.13	816	11.61
Violet	B	V450	7410	7062	-5	3.39	428	12.36
Violet	A	V500	28118	26777	-5	2.97	667	9.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22604	2.14	587	18	N/A	N/A	Pass
Blue	F	SSC	57988	1.20	523	11	N/A	N/A	Pass
Blue	E	FITC	54	54.62	489	2	0.0387	88	Pass
Blue	D	PE	112	37.53	492	4	0.3901	290	Pass
Blue	B	PerCP-Cy5-5	187	37.35	589	3	0.0192	96	Pass
Blue	A	PE-Cy7	104	71.08	632	4	0.0201	1	Pass
Red	C	APC	403	24.41	579	3	0.0288	258	Pass
Red	A	APC-Cy7	181	28.05	554	3	0.0064	1296	Pass
Violet	B	V450	61	60.76	460	7	0.0604	2073	Pass
Violet	A	V500	96	33.98	471	6	0.0253	751	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.52	-31.25	1.01
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.77	13.60 - 20.40	N/A	N/A	29.73	29.93	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 15072

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments